

ABSTRACT

1 A method and system for optimizing a mobile radio network
 2 topology for an N node network where each node has K
 3 connecting links. A base network topology is established
 4 and a cost value is determined for the base network. It
 5 is determined if all possible local transformations on
 6 the base network topology have been performed and if not
 7 a local transformation is performed on the base network
 8 to form a transformed network. A cost is calculated for
 9 the transformed network and the cost is compared with the
 10 cost of a base network. The transformed network is
 11 established as the base network if the cost of the
 12 transformed network is less than the cost of the base
 13 network.